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# Electrical Safety Where Are We?

ES&H Coordinators Meeting  
3/30/05

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Chair, LESC

# Electrical Safety Requirements

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- ES&H Standards 1.5.0 and 1.5.1 are in good shape but needed some updating
  - Update PPE tables to match NFPA 70E – 2004 – **Done.**
  - Rework Energized Work Permit (In Progress)
- Need to label electrical panels with potential electrical and arc flash hazards.—**Ongoing**
- Need to make PPE available to electrical workers. **Done**

# Status of BNL's Training

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## ■ Electrical Safety I

- Highest level of training for those who work on or near energized parts
- Significantly updated in March 2005 -- being tweaked based on initial feedback of those who just took it.
- Required for NFPA Risk Hazard Category 1 or higher

## ■ Basic Electrical Safety

- Was designed for non-electrical workers who need to work on deenergized systems
- Under revision now

# Status of BNL's Training

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## ■ Training Gap Identified

- Those exposed to NFPA Risk Hazard Category (-1 or 0), (a.k.a. the "Switch Throwers")
  - Need to be informed of potential hazards of arc-fault (even though the risk is extremely small)
  - Potentially a new smaller, focused training
- Need to verify contractors and service technicians' electrical safety training or require them to take Electrical Safety I course.

# Status of BNL's Training

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- General Awareness
  - CVO slides revised
  - CVO Movie comments presented to S&HSD
  - Monday Memo, Bulletin Article
  - This meeting
  - General Employee Training (GET) - suggested new point be added

# Status of Implementation

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- Recent reviews found gaps in Dep't / Div's implementation requirements of the standard
- Likely cause - training out-of-sync
- Larger Dep't / Div's have held Tool Box meetings to get in-line with requirements
- May still have gaps with smaller groups (you can help here)

# Status of Implementation

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- **Flow down NFPA 70 E requirements in contracts**
  - NFPA 70E is included in BNL's contract with DOE
  - BNL flows down all DOE, OSHA and BNL ESH requirements to our contractors
  - When you check that physical work will be performed onsite on a webreq, the ISM, work permit and Stop Work authority requirements get added to contract.
- **Gap**
  - Need to explicitly state that NFPA 70E requirements apply on the work permit
  - Need to identify electrical safety training as a requirement

# Status of Implementation

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- Gap
  - Vendors and service contractors
- Visitor notification form updated to ask questions on work planning, similar to webreq



# Questions / Comments

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- Send to me

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